Stud Clip

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Background of the invention

A device for suspending articles from a wood frame wall or the like for the purpose of streamlining the wood frame construction process.

Abstract

A device for suspending articles from a wood frame wall or the like and comprising of a flat main side body having oppositely disposed flange with tooth engagement elements, there on for selective engagement with the opposite edges of a vertical standing wood stud and a hook or tool member extending outwardly from the front face of the flat main side body for receiving the article or articles there on which are to be suspended from the wood framed wall.

Description

Technical Field

Wood Frame Construction

Stud Clips are devices created to substancially improve not only the method in which we handle and dispense material used in wood frame construction but also to increase safety and make access to the work more efficiently during building construction prior to the drywall stage.

Stud Clip
Claims

What is claimed is:

1) A device for facilitating securing of articles to wood frame walls and the like prior to drywall installation and comprising a flat main side body means for receiving an outer surface of a vertical standing wood stud means there against, with oppositely disposed front and back angled flange engaging means provided (pending model type) on the front and front lower side, and the back and back upper side with a hiatus between the front lower side and back upper side to allow for **Stud Clip** to engage with the vertical standing wood stud member and a down and inward pointing anchor tooth on both the front flange and back flange anchor means and a hook or tool (pending model type) forward and down from the flat main side body for attachment thereof the article to be secured against the vertical standing wood framed wall.

2) As in claim 1 and an extension of the flat main side body by way of a hook shaped appendage means for receiving a wire spool roll bar from the direction of the front flange above the Hook/Tool Body with the upper hook tip sized to allow the roll bar to squeeze into the inner hook and rotate smoothly once inside the hook.

3) As in claim 1 and a U shaped extension of the Flat Main Side Body and a horizontal roller supporting axle means bolted through the face of the front flange and the U shape bracket flange above and along the lower edge of the U shaped Bracket.

4) As in claim 1 and a horizontal bracket extending out from the front flange thereon perpendicular to the facing surface of the wood framed wall to a length as required by pending usage.

5) As in claim 1 and adapted to mount on the legs of construction grade fiberglass step ladders or the like.

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Prior Art

Up until now, electricians supend wire rolls by hammering nails partway into the front edge face of wood studs then after a roll bar supporting the wire spools is layed horizontally across two or more studs with nails hammered in them, the nails are then bent up and around the roll bar to secure the roll bar in place.

In the case of Framing Carpenters, any time they need a work bench, they must bring into the building being constructed a large and bulky unit or construct a bench out of wood taking considerable time and effort. Further to this, any time a Framing Carpenter has to climb from one floor to the next prior to stair installation they must carry in at least a 10 foot ladder or spend time nailing wood blocks to a wall for climbing which must later be removed.

In the case of a plumber any time they go to run their plastic water lines they must either carry in a large wagon wheel type dispenser or walk around and around inside the building uncoiling the water lines onto the floor prior to installation creating a substantial trip hazard to themselves and to others working in the area.

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Summary of the Invention

In the case of electricians, **Stud Clip** "Spool Hooks" attach to the wood stud much faster and once in place is far more safe and secure than nails. As a result of the proper sized inner coated hook, **Stud Clip** allows the wire spools, set on a roll bar, to unwind with less friction. In the case of larger buildings, nails continually must be replaced as they get banged around and lose their hold. With Stud Clips changing wire spools is fast and safe. Further to this, **Stud Clip** has been adapted to mount on the front legs of a construction grade fibre glass step ladder or the like to assist with material handling in an area where an exposed stud wall is not available.

In the case of the Plumber, **Stud Clip** "Coil Rollers" provide a fast and reliable method of quickly dispensing plastic water lines, as well as storing away in the work truck taking minimal room.

In the case of the Framing Carpenter, **Stud Clip** "Framers Bracket" provides a fast and reliable method of setting up a temporary work bench, scaffold or climbing rungs and can be removed and stored away in a fraction of the time.

And finally because **Stud Clip** requires no tools to be installed or removed, it assists the electrician/plumber/carpenter at clean up time as **Stud Clips** are not left in the way of the next trade in the construction process, these novel devices are simple, safe and efficient in operation and economical and durable in construction.

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Drawings List

Drawing #1 top right side view- showing **Stud Clip** "Spool Hook" being placed across wood stud touching side of wood stud against main side inner (2).

Drawing #1 bottom right side view- showing **Stud Clip** "Spool Hook" tipped counter clockwise 45' into actual working position securing itself against all 4 sides of stud to be mounted on. Anchor tooth front (11) and Anchor tooth rear (12) of **Stud Clip** dug into face and back of stud respectively.

#2- Front facing view showing **Stud Clip** "Spool Hook" locked forward and down in place with front flange (3) and Lower Anchor Tooth (11) dug into stud face to support weight of wire spool on roll bar in hook inner loop (15).

Drawing #3 top- left side view showing **Stud Clip** "Spool Hook" being placed across wood stud touching side of wood stud against Main Side Body inner (2)

Drawing #3 bottom- Left side view showing **Stud Clip** "Spool Hook" tipped clockwise 45' into actual working position securing itself against all 4 sides of the stud to be used. Anchor Tooth front (11) and Anchor Tooth rear dug into face and back of stud respectively.

Drawing #4- Stud Clip "Coil Roller".

Drawing #5- Stud Clip "Coil Roller" back to back to accomodate waterline coils.

Drawing #6- Stud Clip "Framers Bracket".

Drawing #7- Stud Clip "Ladder Hook".

Parts List

1) Main Side Body outer.
2) Main Side Body inner.
3) Front Flange outer.
4) Front Flange inner.
5) Back Flange outer.
6) Back Flange inner.
7) Font side flange outer.
8) Front side flange inner.
9) Back side flange outer.
10) Back Side Flange inner.
11) Anchor Tooth front.
12) Anchor Tooth back.
13) Hook / Tool Body.
14) Hook Tip.
15) Hook inner loop.

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Legend: (Part#)

Detailed Description of the embodiement of the Invention

A device for facilitating securing specific articles to a wood frame wall by way of interlocking **Stud Clips** shape around a vertical standing wood stud .

(See drawing #1 on page 7)
Stud Clip is a device comprising of a main side body (1) designed to be held perpendicular (top drawing) to a vertical standing wood stud then move against the vertical standing wood stud until the main side body inner suface (2) is flat against the flat side of the vertical standing wood stud then tipped front flange (3) or tool /hook end (3) down and back flange (5)up so that the front side flange inner(4) and back side flange inner (10) slide against the opposite side of the vertical standing wood wtud from the side that the main side body inner (2) is held against until the **Stud Clip** device is sitting 45` from the perpendicular (bottom drawing) and the anchor tooth front (11) and anchor tooth back (12) are both dug into the front edge and back edge respectively of the vertical standing wood stud at which point the appropriate material or device (pending model type) can be secured to the hook (13) or tool member of **Stud Clip** and is now ready for use.

Stud Clip is designed to be adjusted through the use of a simple 8" adjustable wrench to tweek whichever flange or hook needs adjustment.